IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Wei-Ge Chen et al.	Examiner: Storm, Donald L
Patent No.: 6,934,677	Group Art Unit: 2654
Issue Date: Aug. 23, 2005	Confirmation No.: 5737
Customer No.: 22971	Docket No: 164255.01

Title: QUANTIZATION MATRICES BASED ON CRITICAL BAND PATTERN INFORMATION FOR DIGITAL AUDIO WHEREIN QUANTIZATION BANDS DIFFER FROM CRITICAL BANDS

Attn: Certificate of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

We are transmitting herewith the attached:

X   Authorization to charge the Certificate of Correction fee of $100.00 to the Deposit Account No. **50-0463.**
X   Request for Certificate of Correction (1 pg.).
X   Certificate of Correction Form - PTO-1050 (4 pgs.)
X   A return postcard.

Please charge any additional fees or credit overpayment to Deposit Account No. 50-0463.

By /Nathan M. Rau/

Customer Number: 22971   Attorney Name: Nathan M. Rau
Reg. No.: 45,466

CERTIFICATE UNDER 37 CFR § 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Attn: Certificate of Correction Branch, Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450, on this 11th day of June 2009.

Christine Hartness

Patent 6,934,677   **PATENT**

IN UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Wei-Ge Chen et al.   Examiner: Storm, Donald L

Patent No.: 6,934,677   Group Art Unit: 2654

Issue Date: Aug. 23, 2005   Confirmation No.: 5737

Customer No.: 22971   Docket No: 164255.01

Title: QUANTIZATION MATRICES BASED ON CRITICAL BAND PATTERN
       INFORMATION FOR DIGITAL AUDIO WHEREIN QUANTIZATION BANDS
       DIFFER FROM CRITICAL BANDS

REQUEST FOR CERTIFICATION OF CORRECTION

Attn: Certificate of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

It is requested that a Certificate of Correction be issued correcting printing errors appearing in the above-identified United States patent. Two copies of the text of the Certificate in the suggested form are enclosed.

Pursuant to 1.20(a), the examiner is authorized to charge the Certificate of Correction fee of $100.00 to the Deposit Account No. **50-0463**.

Issuance of the Certificate of Correction would neither expand nor contract the scope of the claims as properly allowed, and re-examination is not required.

The Examiner is authorized to charge any additional fees or credit overpayment to Deposit Account No. **50-0463.**

Respectfully submitted,

Customer Number: 22971

06/16/2009 MGEBREM1 00000034 500463   6934677

Date___20 April 2009_____   By___/Nathan M. Rau/___01 FC:1811   100.00 DA
                                   Attorney Name: Nathan M. Rau
                                   Reg. No.: 45,466

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO   : 6,934,677

DATED   : Aug. 23, 2005

INVENTOR(S)   : Wei-Ge Chen et al.

It is certified that error appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the face page, in field (56), under "Other Publications", in column 2, line 6, delete "281" and insert - - **218** - -, therefor.

On page 2, in field (56), under "Other Publications", in column 2, line 17, delete "10/020/708" and insert - - 10/020,708 - -, therefor.

On Sheet 1 of 9, Fig. 1 (Above Prior Art), line 1, after "Figure 1" insert ",".

In column 6, line(s) 1-4, delete " $Q[c][d] \leftarrow \left(\frac{Q[c][d]}{Card\{B[d]\}} \right)^{\cdot}$,   (3)" and insert - - $Q[c][d] \leftarrow \left(\frac{Q[c][d]}{Card\{B[d]\}} \right)^{\cdot}$ (3), - -, therefor.

In column 13, line 15, delete " $X_{Sum}[k] = \frac{X_{Left}[k] + X_{Right}[k]}{2}$,   (4)" and insert - - $X_{Sum}[k] = \frac{X_{Left}[k] + X_{Right}[k]}{2}$ (4), - -, therefor.

In column 13, line 17, delete " $X_{Diff}[k] = \frac{X_{Left}[k] - X_{Right}[k]}{2}$.   (5)" and insert - - $X_{Diff}[k] = \frac{X_{Left}[k] - X_{Right}[k]}{2}$ (5). - -, therefor.

In column 18, line 20, delete " $k^{'} = floor\left(\frac{k}{p} \right)$,   (7)" and insert - - $k^{'} = floor\left(\frac{k}{p} \right)$ (7), - -, therefor.

MAILING ADDRESS OF SENDER:

CPA Global
P.O. Box 52050
Minneapolis, MN 55402

PATENT NO. 6,934,677

No. of additional copies

⇒ Page 5 of 8

Atty Docket No: 164255.01

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO   : 6,934,677

DATED   : Aug. 23, 2005

INVENTOR(S)   : Wei-Ge Chen et al.

It is certified that error appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 18, line 23, delete " $\rho = \dfrac{max\_subframe\_size}{subframe\_size}$, (8)" and insert - - $\rho = \dfrac{max\_subframe\_size}{subframe\_size}$ (8), - -, therefor.

In column 18, line 42, delete " $\alpha = \dfrac{c}{subframe\_size}$, (9)" and insert - - $\alpha = \dfrac{c}{subframe\_size}$ (9), - -, therefor.

In column 19, line 6, delete " $E[b] = \sum_{k \in B[b]} Y^2[k]$, (11)" and insert - - $E[b] = \sum_{k \in B[b]} Y^2[k]$ (11), - -, therefor.

In column 19, line 11, delete "$[f_l, f_h)$," and insert - - (f_l, f_h), - -, therefor.

In column 19, line 16, delete " $B[b] = \left\{ k \mid k \cdot \dfrac{samplingrate}{max\_subframe\_size} \geq f_l \text{ AND } k \cdot \dfrac{samplingrate}{max\_subframe\_size} < f_h \right\}$. (12)" and insert - - $B[b] = \left\{ k \mid k \cdot \dfrac{samplingrate}{max\_subframe\_size} \geq f_l \text{ AND } k \cdot \dfrac{samplingrate}{max\_subframe\_size} < f_h \right\}$ (12). - -, therefor.

In column 19, line 23, delete "$[f_l, f_h)$" and insert - - (f_l, f_h) - -, therefor.

MAILING ADDRESS OF SENDER:

PATENT NO. 6,934,677

No. of additional copies

CPA Global
P.O. Box 52050
Minneapolis, MN 55402

⇨ Page 6 of 8

Atty Docket No: 164255.01

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO   : 6,934,677

DATED   : Aug. 23, 2005

INVENTOR(S)   : Wei-Ge Chen et al.

It is certified that error appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 19, line 57, delete " $\tilde{E}[b] = \dfrac{E[b]}{\sum\limits_{k \in B[b]} A'[k]}$. (13)" and insert - - $\tilde{E}[b] = \dfrac{E[b]}{\sum\limits_{k \in B[b]} A'[k]}$ (13). - -, therefor.

In column 20, line 35, delete " $Q[c][d] = \sum\limits_{b=b_{low}}^{b_{high}} \tilde{E}[b]$. (15)" and insert - - $Q[c][d] = \sum\limits_{b=b_{low}}^{b_{high}} \tilde{E}[b]$ (15). - -, therefor.

In column 20, line 47, delete " $Q[c][d] = \dfrac{\sum\limits_{b=b_{low}}^{b_{high}} \tilde{E}[b] \cdot Card\{B[b]\}}{\sum\limits_{b=b_{low}}^{b_{high}} Card\{B[b]\}}$, (16)" and insert - -

$Q[c][d] = \dfrac{\sum\limits_{b=b_{low}}^{b_{high}} \tilde{E}[b] \cdot Card\{B[b]\}}{\sum\limits_{b=b_{low}}^{b_{high}} Card\{B[b]\}}$ (16), - -, therefor.

In column 20, line 60, delete " $Q[c][d] = \dfrac{\sum\limits_{b=b_{low}}^{b_{high}} \tilde{E}[b] \cdot Card\{B[b] \cap B[d]\}}{Card\{B[d]\}}$, (17)" and insert - -

$Q[c][d] = \dfrac{\sum\limits_{b=b_{low}}^{b_{high}} \tilde{E}[b] \cdot Card\{B[b] \cap B[d]\}}{Card\{B[d]\}}$ (17), - -, therefor.

MAILING ADDRESS OF SENDER:

CPA Global
P.O. Box 52050
Minneapolis, MN 55402

Atty Docket No: 164255.01

PATENT NO. 6,934,677

No. of additional copies

⇒ Page 7 of 8

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 6,934,677

DATED : Aug. 23, 2005

INVENTOR(S) : Wei-Ge Chen et al.

It is certified that error appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 21, line 10, delete " $Q[c][d] \leftarrow \left(\dfrac{Q[c][d]}{Card\{B[d]\}} \right)^r$,   (18)" and insert - -

$$Q[c][d] \leftarrow \left(\frac{Q[c][d]}{Card\{B[d]\}} \right)^r$$ (18), - -, therefor.

In column 21, line 27, delete "coded" and insert - - reconstructed - -, therefor.

In column 21, line 28, delete "reconstructed" and insert - - coded - -, therefor.

In column 23, line 34, after "etc" insert - - . - -.

In column 24, line 25, delete "(1100).)" and insert - - (1100)). - -, therefor.

In column 25, line 18, delete " $A(z) = 1 - \sum_{j=1}^{p} a_j z^{-j}$,   (20)" and insert - -

$$A(z) = 1 - \sum_{j=1}^{p} a_j z^{-j}$$ (20), - -, therefor.

In column 26, line 24, in Claim 6, delete "claim 1" and insert - - claim 5 - -, therefor.

MAILING ADDRESS OF SENDER:

CPA Global
P.O. Box 52050
Minneapolis, MN 55402

Atty Docket No: 164255.01

PATENT NO. 6,934,677

No. of additional copies

Page 8 of 8